

## INFORMATION DISCLOSURE CITATION


Atty. Docket No.	06843.0050-04000	Appln. No.	09/890,729
Applicant	Steven K. YOSHINAGA		
Filing Date	August 3, 2001	Group:	1646

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue Date	Name	Class	Sub Class	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS							
		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
IO		WO 00/46240	08/10/2000	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	Ling et al., "Cutting Edge: Identification of GL50, a Novel B7-Line Protein That Functionally Binds to ICOS Receptor," <i>Journal of Immunology</i> , 164(4):1653-1657 (2000).
	Tafuri et al., "ICOS is Essential for Effective T-Helper-cell responses," <i>Nature</i> , 409:105-109 (2001)
	Wang et al., "Costimulation of T cells by B7-H2, a B7-like Molecule that Binds ICOS," <i>Blood</i> , 96(8):2808-2813 (2000).
IO	Yoshinaga et al., "T-cell Co-stimulation Through B7RP-1 and ICOS," <i>Nature</i> , 402:827-832 (1999).
MD	International Search Report for PCT Application No. PCT/US01/44859, mailed December 3, 2002.

Examiner	Ilon Oesper	Date Considered	08/18/2006
*Examiner:	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
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Modified Form PTO-1449 <b>LIST OF REFERENCES CITED BY APPLICANT</b> (Use several sheets if necessary) 	Atty. Docket No.	Serial No.
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## U.S. PATENT DOCUMENTS

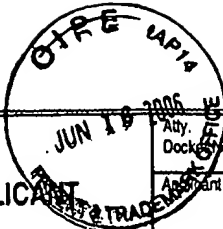
EXAMINER'S INITIALS	DOCUMENT NUMBER	PUBLICATION DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
JO	A1	US20020115831 A1	Tamatani et al.			3/26/02
	A2	US20020151685 A1	Tamatani et al.			3/26/02
	A3	US20020156242 A1	Tamatani et al.			3/26/02
	A4	US20030083472 A1	Tamatani et al.			5/1/03
	A5	US20040073012 A1	Tamatani et al.			11/7/03
	A6	US20040120945 A1	Tamatani et al.			11/25/03
	A7	US20040132658 A1	Tamatani et al.			11/7/03
	A8	US20040146506 A1	Tamatani et al.			11/7/03
	A9	US20040151669 A1	Tamatani et al.			3/11/04
	A10	US20040151718 A1	Tamatani et al.			11/7/03
	A11	US20040151720 A1	Tamatani et al.			3/5/04
	A12	US20040229788 A1	Tamatani et al.			11/25/03
	A13	US20050261489 A1	KroczeK			8/22/03
	A14	US 4,619,794	Hauser			1/29/85
	A15	US 7,030,225	Tamatani et al.			8/26/99

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUB. DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION	
							YES	NO
	B1	31399/84	9/11/86	Australia				
	B2	0 984 023 A1	8/3/00	Europe				
	B3	0 984 023	8/29/01	Suppl Partial EP Search Report				
	B4	1 502 920 A2	2/2/05	Europe				
JO	B5	1 502 920 A3	2/9/05	Europe				

## OTHER DOCUMENTS (Including Publisher, Author, Title, Date, Pertinent Pages, Etc.)

C1	
EXAMINER: <i>Lisa Ouspensky</i>	Date Considered: <i>08/18/2006</i>
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Sheet 1 Of 3

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A-579 B

09/890,729

## LIST OF REFERENCES CITED BY APPLICANT

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1644  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
AA	3,773,919	11/20/73	Boswell et al.			
AB	4,816,567	3/28/89	Cabilly et al.			
AC	4,892,538	1/9/90	Aebischer et al.			
AD	4,970,154	11/13/90	Chang			
AE	5,011,472	4/30/91	Aebischer et al.			
AF	5,106,627	4/21/92	Aebischer et al.			
AG	5,593,875	1/14/97	Wurm et al.			
AH	5,653,975	8/5/97	Baetge et al.			
AI	5,676,954	10/14/97	Brigham			

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## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION	
							YES	NO
JO	BA	EP 0 036 676	9/19/90	EPO			X	
	BB	EP 0 058,481	10/1/86	EPO			X	
	BC	EP 0 088 046	12/9/87	EPO			X	X
	BD	EP 0 133 988	3/13/85	EPO			X	X
	BE	EP 0 143 949	10/12/88	EPO			X	
	BF	EP 0 154 316	9/13/89	EPO			X	
	BG	EP 0 401 384	3/13/96	EPO			X	
	BH	WO 91/10425	7/25/91	WIPO			X	
	BI	WO95/11308	4/27/95	WIPO			X	
JO	BJ	WO 96/40958	12/19/96	WIPO			X	
	BK	WO 98/38216	9/03/98	WIPO			X	
JO	BL	WO 99/15553	4/01/99	WIPO			X	
JO	BM	EP 1 125 585	8/22/01	EPO			X	

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	Yoshinaga			
	Filing Date	January 27, 2000	Group	Unknown

EXAMINER'S  
INITIALS**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

JO	CA	Altschul et al., "Basic Local Alignment Search Tool", J. Mol. Biol. <u>215</u> , 403-410 (1990)
	CB	Aruffo and Seed, "Molecular cloning of a CD28 cDNA by a high-efficiency COS cell expression system", Proc. Natl. Acad. Sci. <u>84</u> , 8573-8577 (1987)
	CC	Ausubel et al., Current Protocols in Molecular Biology, Green Pub. and Wiley and Sons, NY (1994) TABLE OF CONTENTS
	CD	Brunet et al., "A new member of the immunoglobulin superfamily-CTLA-4", Nature <u>328</u> , 267-270 (1987)
	CE	Carillo et al., "The Multiple Sequence Alignment Problem in Biology", SIAM J. Applied Math. <u>48</u> , 1073 (1988)
	CF	Dariavach et al., "Human Ig superfamily CTLA-4 gene: chromosomal localization and identity of protein sequence between murine and human CTLA-4 cytoplasmic domains", Eur. Jour. Immun. <u>18</u> , 1901-1905 (1988)
	CG	Dayhoff et al., "A Model of Evolutionary Change in Proteins", Atlas of Protein Sequence and Structure, vol. 5, supp. 3 (1978)
	CH	Devereux et al., "A comprehensive set of sequence analysis programs for the VAX", Nucleic Acids Research <u>12</u> (1), 387 (1984)
	CI	Engels et al., "Gene Synthesis", Angew. Chem. Intl. Ed. <u>28</u> , 716-734 (1989)
	CJ	Eppstein et al., "Biological activity of liposome-encapsulated murine interferon $\gamma$ is mediated by a cell membrane receptor", Proc. Natl. Acad. Sci. USA, <u>82</u> , 3688-3692 (1985)
	CK	Francis, "Protein modification and fusion proteins", Focus on Growth Factors <u>3</u> , 4-10 (1992)
	CL	Freeman et al., "B7, a New Member of the Ig Superfamily with Unique Expression on Activated and Neoplastic B Cells", J. Immunology <u>143</u> , 2714-2722 (1989)
	CM	Freeman et al., "Structure, Expression, and T Cell Costimulatory Activity of the Murine Homologue of the Human B Lymphocyte Jour. Expt. Med. <u>174</u> , 625-31 (1991)
JO	CN	Freeman et al., "Murine B7-2, an Alternative CTLA4 Counter-receptor that Costimulates T Cell Proliferation and Interleukin 2 Production", Jour. Expt. Med. <u>178</u> , 2185-2192 (1993)
	CO	<del>Freeman et al., "Cloning of B7-2: A CTLA-4 Counter-Receptor That Costimulates Human T Cell Proliferation", Science <u>262</u>, 909-911 (1993)</del>
JO	CP	Gennaro, Remington's Pharmaceutical Sciences, 18th Edition, ed., Mack Publishing Company (1990) TABLE OF CONTENTS
	CQ	Gribkov et al., Sequence Analysis Primer, eds., M. Stockton Press, New York, 1991 TABLE OF CONTENTS
	CR	Griffin et al., Computer Analysis of Sequence Data, Part 1, eds., Humana Press, New Jersey, 1994 TABLE OF CONTENTS
	CS	Gross et al., "The Murine Homologue of the T Lymphocyte Antigen CD28", J. Immun. <u>144</u> , 3201-3210 (1990)
	CT	Henikoff, "Amino acid substitution matrices from protein blocks", PNAS, USA <u>89</u> , 10915-10919 (1992)
	CU	Hoogenboom et al., "By-passing Immunisation", J. Mol. Biol. <u>227</u> , 381 (1991)
	CV	Houghten et al., "General method for the rapid solid-phase synthesis of large numbers of peptides: Specificity of antigen-antibody interaction at the level of individual amino acids", Proc Natl Acad. Sci. USA <u>82</u> , 5132 (1985)
	CW	Hutloff et al., "ICOS is an inducible T-cell co-stimulator structurally and functionally related to CD28", Nature <u>397</u> , 263-266 (1999)
	CX	Jakovovits et al., "Germ-line transmission and expression of a human-derived yeast artificial chromosome", Nature <u>362</u> , 255-258 (1993)
JO	CY	Jakovovits et al., "Analysis of homozygous mutant chimeric mice: Deletion of the immunoglobulin heavy-chain joining region blocks B-cell development and antibody production", Proc. Natl. Acad. Sci. <u>90</u> , 2551-2555 (1993)
EXAMINER: <i>Ilia Ouspenski</i>		Date Considered: <i>08/18/2006</i>
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EXAMINER'S  
INITIALS

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

JO	CZ	Jones et al., "Replacing the complementarity-determining regions in a human antibody with those from a mouse", Nature <u>321</u> , 522-525 (1986)
	DA	Kitts et al., "A Method for Producing Recombinant Baculovirus Expression Vectors at High Frequency", Biotechniques <u>14</u> , 810-817 (1993)
	DB	Langer et al., "Biocompatibility of polymeric delivery systems for macromolecules", J. Biomed. Mater. Res. <u>15</u> , 167-277 (1981)
	DC	Langer, "Controlled release of macromolecules", Chem. Tech. <u>12</u> , 98-105 (1982)
	DD	Lesk, Computational Molecular Biology, ed., Oxnard University Press, New York (1998) TABLE OF CONTENTS
	DE	Lucklow, "Baculovirus systems for the expression of human gene products", Curr. Opin. Biotechnol. <u>4</u> , 564-572 (1993)
	DF	Lucklow et al., "Efficient Generation of Infectious Recombinant Baculoviruses by Site-Specific Transposon-Mediated Insertion of Foreign Genes into a Baculovirus Genome Propagated in <i>Escherichia coli</i> ", J. Virol. <u>67</u> , 4566-4579 (1993)
	DG	Marks et al., "By-passing Immunization Human Antibodies from V-gene Libraries Displayed on Phage", J. Mol. Biol. <u>222</u> , 581 (1991)
	DH	Marston et al., "Solubilization of Protein Aggregates", Meth. Enz. <u>182</u> , 264-275 (1990)
	DI	McDonald et al., "Isolation of RNA Using Guanidinium Salts", Meth. Enzymol. <u>152</u> , 219 (1987)
	DJ	Merrifield, "Solid Phase Peptide Synthesis. I. The Synthesis of a Tetrapeptide", J. Am. Chem. Soc. <u>85</u> , 2149 (1963)
	DK	Morrison et al., "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. <u>81</u> , 6851-6855 (1985)
	DL	Neddlemen et al., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins", J. Mol. Biol. <u>48</u> , 443-453 (1970)
	DM	Ogden et al., "Electrophoresis in Agarose and Acrylamide Gels", Meth. Enzymol. <u>152</u> , 61 (1987)
	DN	Riechmann et al., "Reshaping human antibodies for therapy", Nature <u>332</u> , 323-327 (1988)
	DO	Sambrook et al., Molecular Cloning: A Laboratory Manual, Cold Springs Harbor Laboratory Press, Cold Springs Harbor, NY (1989) TABLE OF CONTENTS
	DP	Sidman et al., "controlled Release of Macromolecules and Pharmaceuticals from Synthetic Polypeptides Based on Glutamic Acid", Biopolymers <u>22</u> , 547-556 (1983)
	DQ	Smith, et al., Biocomputing: Informatics and Genome Projects, Academic Press, New York, 1993 TABLE OF CONTENTS
	DR	Steward and Young, Solid Phase Peptide Synthesis, Pierce Chemical Co., Rockford, IL (1984) TABLE OF CONTENTS
	DS	Verhoeven et al., "Reshaping Human Antibodies: Grafting an Antilysozyme Activity", Science <u>239</u> , 1534-1536 (1988)
JO	DT	von Heinje, Sequence Analysis in Molecular Biology, Academic Press, (1987) TABLE OF CONTENTS
EXAMINER: <i>Lia Ouspenski</i>		Date Considered: <i>08/18/2006</i>
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